

#2

OIPE

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/010,645

DATE: 12/19/2001

TIME: 10:45:23

Input Set : A:\ES.txt

Output Set: N:\CRF3\12192001\J010645.raw

ENTERED

7 <110> APPLICANT: Havenga, Menzo J.E.
 10 Bout, Abraham
 13 Vogels, Ronald
 19 <120> TITLE OF INVENTION: GENE DELIVERY VECTORS WITH CELL TYPE SPECIFICITY FOR
 20 MESENCHYMAL STEM CELLS
 26 <130> FILE REFERENCE: 5006.1US
 C--> 32 <140> CURRENT APPLICATION NUMBER: US/10/010,645
 35 <141> CURRENT FILING DATE: 2001-11-13
 41 <150> PRIOR APPLICATION NUMBER: 60/303,734
 44 <151> PRIOR FILING DATE: 2001-07-06
 50 <160> NUMBER OF SEQ ID NOS: 14
 56 <170> SOFTWARE: PatentIn version 3.1
 62 <210> SEQ ID NO: 1
 65 <211> LENGTH: 6
 68 <212> TYPE: PRT
 71 <213> ORGANISM: Adenovirus
 77 <400> SEQUENCE: 1
 81 Phe Asn Pro Val Tyr Pro
 83 1 5
 89 <210> SEQ ID NO: 2
 92 <211> LENGTH: 23
 95 <212> TYPE: DNA
 98 <213> ORGANISM: Artificial Sequence
 104 <220> FEATURE:
 107 <223> OTHER INFORMATION: oligo linker
 111 <400> SEQUENCE: 2
 113 aattgtctta attaaccgct taa
 119 <210> SEQ ID NO: 3
 122 <211> LENGTH: 19
 125 <212> TYPE: DNA
 128 <213> ORGANISM: Artificial Sequence
 134 <220> FEATURE:
 137 <223> OTHER INFORMATION: oligonucleotide
 141 <400> SEQUENCE: 3
 143 aattgtctta attaaccgc
 149 <210> SEQ ID NO: 4
 152 <211> LENGTH: 19
 155 <212> TYPE: DNA
 158 <213> ORGANISM: Artificial Sequence
 164 <220> FEATURE:
 167 <223> OTHER INFORMATION: oligonucleotide
 171 <400> SEQUENCE: 4
 173 aattgcggtt aattaagac
 179 <210> SEQ ID NO: 5
 182 <211> LENGTH: 47
 185 <212> TYPE: DNA
 188 <213> ORGANISM: Artificial Sequence

23

19

19

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/010,645

DATE: 12/19/2001

TIME: 10:45:23

Input Set : A:\ES.txt

Output Set: N:\CRF3\12192001\J010645.raw

```

194 <220> FEATURE:
197 <223> OTHER INFORMATION: primer
201 <400> SEQUENCE: 5
203 ctgtacgtac cagtgcactg gcctaggcat ggaaaaatac ataactg      47
209 <210> SEQ ID NO: 6
212 <211> LENGTH: 64
215 <212> TYPE: DNA
218 <213> ORGANISM: Artificial Sequence
224 <220> FEATURE:
227 <223> OTHER INFORMATION: primer
231 <400> SEQUENCE: 6
233 gcggatcctt cgaacctatg taagcttggt accgctagcg ttaaccgggc gactcagtca      60
237 atcg      64
243 <210> SEQ ID NO: 7
246 <211> LENGTH: 28
249 <212> TYPE: DNA
252 <213> ORGANISM: Artificial Sequence
258 <220> FEATURE:
261 <223> OTHER INFORMATION: primer
265 <400> SEQUENCE: 7
267 gcgccaccat gggcagagcg atggtggc      28
273 <210> SEQ ID NO: 8
276 <211> LENGTH: 50
279 <212> TYPE: DNA
282 <213> ORGANISM: Artificial Sequence
288 <220> FEATURE:
291 <223> OTHER INFORMATION: primer
295 <400> SEQUENCE: 8
297 gttagatcta agcttgtcga catcgatcta ctaacagtag agatgtagaa      50
303 <210> SEQ ID NO: 9
306 <211> LENGTH: 21
309 <212> TYPE: DNA
312 <213> ORGANISM: Artificial Sequence
318 <220> FEATURE:
321 <223> OTHER INFORMATION: primer
325 <400> SEQUENCE: 9
327 gggtattagg ccaaaggcgc a      21
333 <210> SEQ ID NO: 10
336 <211> LENGTH: 33
339 <212> TYPE: DNA
342 <213> ORGANISM: Artificial Sequence
348 <220> FEATURE:
351 <223> OTHER INFORMATION: primer
355 <400> SEQUENCE: 10
357 gatcccatgg aagcttgggt ggcgacccca gcg      33
363 <210> SEQ ID NO: 11
366 <211> LENGTH: 36
369 <212> TYPE: DNA
372 <213> ORGANISM: Artificial Sequence

```

RAW SEQUENCE LISTING

DATE: 12/19/2001

PATENT APPLICATION: US/10/010,645

TIME: 10:45:23

Input Set : A:\ES.txt

Output Set: N:\CRF3\12192001\J010645.raw

```

378 <220> FEATURE:
381 <223> OTHER INFORMATION: primer
385 <400> SEQUENCE: 11
387 gatcccatgg ggatccttta ctaagttaca aagcta 36
393 <210> SEQ ID NO: 12
396 <211> LENGTH: 19
399 <212> TYPE: DNA
402 <213> ORGANISM: Artificial Sequence
408 <220> FEATURE:
411 <223> OTHER INFORMATION: primer
415 <400> SEQUENCE: 12
417 gtcgctgtag ttggactgg 19
423 <210> SEQ ID NO: 13
426 <211> LENGTH: 42
429 <212> TYPE: DNA
432 <213> ORGANISM: Artificial Sequence
438 <220> FEATURE:
441 <223> OTHER INFORMATION: oligonucleotide
445 <400> SEQUENCE: 13
447 cgacatatgt agatgcatta gtttgtgta tgtttcaacg tg 42
453 <210> SEQ ID NO: 14
456 <211> LENGTH: 18
459 <212> TYPE: DNA
462 <213> ORGANISM: Artificial Sequence
468 <220> FEATURE:
471 <223> OTHER INFORMATION: oligonucleotide
475 <400> SEQUENCE: 14
477 ggagaccact gccatggt 18

```

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/010,645

DATE: 12/19/2001

TIME: 10:45:24

Input Set : A:\ES.txt

Output Set: N:\CRF3\12192001\J010645.raw

L:32 M:270 C: Current Application Number differs, Replaced Current Application Number